## ABSTRACT OF THE DISCLOSURE

An optical fiber array having a plurality of optical-fiber bare fibers disposed in alignment between two opposing plate members, which is characterized in that optical-fiber bare fibers 5 are disposed in contact with a flat surface of a plate member A, an adjustment layer 7 is interposed between another plate member B and the plate member A, where the back of the plate member B is made to serves as a disposition standard surface 3, and the adjustment layer, which fulfills conditions of (dmax + r) < H where the desired preset distance from i) a central line of the optical-fiber bare fibers which is formed by connecting central points of end cross sections in the optical-fiber bare fibers disposed in alignment to ii) the disposition standard surface is represented by H, the maximum value of the thickness dimension in the plate member B by dmax, and the radius of the optical-fiber bare fibers by r, compensates a deviation from the preset distance H that is caused by a non-uniformity in thickness dimension in the plate member B, whereby the distance from the central points of the optical-fiber bare fibers to the disposition standard surface is set identical or substantially identical to the preset distance H.